

IN THE CLAIMS:

Please amend the claims as follows, wherein insertions are underlined and deletions are indicated with strikethrough or double brackets. Please add new claims 11-17. This listing of claims will replace all prior versions, and listings, of claims in the application.

Claim 1 (currently amended). A positioning jig device for a vehicle body frame, comprising:

a positioning jig (20) for positioning and fixing [[a]] the vehicle body frame (12)in space;
a positioning robot (22) for holding ~~an~~ a first end of said positioning jig (20), supplying said positioning jig (20) to a working position for said vehicle body frame (12), and positioning said vehicle body frame (12) in a desired attitude; and
a positioning jig holder mechanism (24) for movably holding said positioning jig (20), said positioning jig holder mechanism (24) being disposed in said working position and having an engaging member (172) which is detachably engageable with ~~another~~ a second end of said positioning jig (20) ~~whose one end is held by said positioning robot (22)~~.

Claim 2 (currently amended). [[A]] The positioning jig device according to claim 1, wherein said positioning jig (20) ~~has~~ comprises a securing unit (50) for positioning and fixing said vehicle body frame (12) relative to said positioning jig.

Claim 3 (currently amended). [[A]] The positioning jig device according to claim 1, wherein said positioning jig (20) ~~has~~ comprises a recess (118) engageable by said engaging member (172) of said positioning jig holder mechanism (24).

Claim 4 (currently amended). [[A]] The positioning jig device according to claim 1, wherein said positioning robot (22) comprises a multi-axis robot (22) for setting said vehicle frame (12) to the desired attitude while the ~~other~~ second end of said positioning jig (20) is engaging said engaging member (172) of said positioning jig holder mechanism (24).

Claim 5 (currently amended). [[A]] The positioning jig device according to claim 1, wherein said positioning jig holder mechanism (24) has a support (134) by which said engaging member (172) is swingably supported and which supports said engaging member (172) for displacement toward the ~~other~~ second end of said positioning jig (20).

Claim 6 (currently amended). [[A]] The positioning jig device according to claim 5, wherein said support (134) supports said engaging member (172) for rotation about an axis along which said engaging member (172) is displaceable.

Claim 7 (currently amended). [[A]] The positioning jig device according to claim 5, wherein said support (134) has an attitude securing member (140) for securing the attitude of the support with respect to the ~~other~~ second end of said positioning jig (20).

Claim 8 (currently amended). [[A]] The positioning jig device according to claim 5, wherein said engaging member (172) is supported by said support (134) for displacement toward the ~~other~~ second end of said positioning jig (20) through a resilient member (166).

Claim 9 (currently amended). [[A]] The positioning jig device according to claim 5, wherein said

engaging member (172) is actuatable by an actuating mechanism (170) for engagement with the other second end of said positioning jig (20).

Claim 10 (currently amended). [[A]] The positioning jig device according to claim 1, including a welding robot (26) disposed in said working position for welding said vehicle body frame (12) which is positioned and fixed by said positioning jig (20).

Claim 11 (new). A positioning jig device for a vehicle body frame, comprising:
a positioning jig for positioning and fixing the vehicle body frame in space;
a positioning robot for holding a first end of said positioning jig, supplying said positioning jig to a working position for said vehicle body frame, and positioning said vehicle body frame in a desired attitude; and
a positioning jig holder mechanism for movably holding said positioning jig, said positioning jig holder mechanism being disposed in said working position and is operably connected to a second end of said positioning jig.

Claim 12 (new). The positioning jig device according to claim 11, wherein said positioning jig holder mechanism comprises an engaging member which is detachably engageable with the second end of said positioning jig, and wherein said second end of said positioning jig comprises a recess engageable by said engaging member of said positioning jig holder mechanism.

Claim 13 (new). The positioning jig device according to claim 12, wherein said engaging member comprises two confronting sets of engaging arms, said engaging arms configured to move in a direction

which is one of toward each other and away from each other upon actuation of the engaging member.

Claim 14 (new). The positioning jig device according to claim 12, wherein said positioning jig holder mechanism has a support by which said engaging member is swingably supported and which supports said engaging member for displacement toward the second end of said positioning jig.

Claim 15 (new). The positioning jig device according to claim 14, wherein said support has an attitude securing member for securing the attitude of the support with respect to the second end of said positioning jig.

Claim 16 (new). The positioning jig device according to claim 14, wherein said engaging member is supported by said support for displacement toward the second end of said positioning jig through a resilient member.

Claim 17 (new). The positioning jig device according to claim 11, wherein said positioning robot comprises a multi-axis robot for setting said vehicle frame to the desired attitude while the second end of said positioning jig is operably connected to said positioning jig holder mechanism.